<u>Amendments to the Claims:</u>

This listing of claims will replace all prior versions, and listings, of claims in the application:

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CLAIMS

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1.   **(Currently Amended)** A data access and management system for a computer system, comprising:

a.   at least two data storage means ~~(C1, C2, ..., Cn)~~;

b.   at least one computer unit ~~(CL)~~ which accesses the data of the data storage means ~~(C)~~;

c.   data transmission means ~~(N)~~ for a data transmission between the data storage means ~~(C)~~ and the computer unit ~~(CL)~~, with the data being stored in a redundant manner in at least two of the at least two data storage means ~~(C)~~; and

d.   means for ~~the detection of~~ **detecting** prespecified parameters of the data transmission between the data storage means ~~(C)~~ and the computer unit ~~(CL)~~, with data being preferably stored in a redundant manner in the data storage means ~~(C)~~ as a function of **said** ~~the determined~~ **detected** prespecified parameters, and with the computer unit ~~(CL)~~ accessing one of the data storage means ~~(C)~~ as a function of **said** ~~the determined~~ **detected** prespecified parameters, the data storage means ~~(C)~~ comprising **second** means for ~~the detection of~~ **detecting** prespecified parameters for data transmissions between **said** ~~the~~ data storage means ~~(C)~~ and ~~the~~ data storage means ~~(C) shift~~ **copy** data which is redundantly stored in the system independent of an access of the computer unit ~~(CL)~~ as a function of the ~~determined~~ **detected prespecified** parameters of data transmissions between the data storage means ~~(C)~~.

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2. **(Currently Amended)** A data access and management system as recited in claim 1 wherein **each of said** ~~the~~ data storage means ~~(C) each~~ comprise control units for controlling the data access and the data management.

3. **(Currently Amended)** A data access and management system as recited in claim 1 wherein the data storage means ~~(C)~~ copy redundantly stored data in the system among each other as a function of the ~~determined~~ **detected prespecified** parameters of data transmissions between the individual data storage means ~~(C)~~ and the computer unit ~~(CL)~~ and delete the data in the data storage means ~~(C)~~ in which it had been stored beforehand.

4. **(Currently Amended)** A data access and management system as recited in claim 1 wherein the data storage means ~~(C)~~ process the stored data independent from the computer unit ~~(CL)~~.

5. **(Currently Amended)** A data access and management system as recited in claim 1 wherein the data in the system is divided into data subsets ~~(F)~~, and the data storage means ~~(C)~~ are divided into cells ~~(Z)~~ in such a manner that data subsets ~~(F)~~ to be stored in a redundant manner are stored in one each of the cells ~~(Z)~~ of the corresponding data storage means ~~(C)~~.

6. **(Currently Amended)** A data access and management system as recited in claim 5 wherein the data storage means ~~(C)~~ are divided into cells ~~(Z)~~ depending on data transmission parameters.

7. **(Currently Amended)** A data access and management system as recited in claim 5 wherein each cell ~~(Z)~~ comprises additional data for data access and data management which relates to the parameters of data transmissions between **at least one of** the individual data storage means, ~~(C) and~~ the computer unit ~~(CL)~~, ~~and/or~~ neighbouring cells

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5   (Z), and/or **and** cells (Z) which comprise data which is stored in the system in a redundant manner.

8.   **(Currently Amended)** A data access and management system as recited in claim 5 wherein the cells (C) interchange data among each other which is used for the data access and the data management.

9.   **(Currently Amended)** A data access and management system as recited in claim 5 wherein the parameters of data transmission between the individual data storage means (C) and the computer unit (CL) are identical for the cells (Z) of a data storage means (C).

10.   **(Currently Amended)** A data access and management system as recited in claim 1 wherein the computer unit **operates to perform at least one of outputting** (CL) outputs data for storage in the data storage means (C) and/or processes **and processing** data stored in the data storage means (C).

11.   **(Currently Amended)** A data access and management system as recited in claim 1 wherein the computer unit (CL) is connected with a user (B) for **at least one of** transmitting the received data and/or for **and** control by the user (B).

12.   **(Currently Amended)** A data access and management system as recited in claim 11 wherein the user (B) is **at least one of** a personal computer, and/or a central processing unit of a computer, and/or **and** an additional data storage means.

13.   **(Currently Amended)** A data access and management system as recited in claim 1 wherein the computer unit (CL) is a system which provides Internet services.

14.   **(Currently Amended)** A data access and management system as recited in claim 5 wherein the computer unit (CL) immediately accesses individual cells (Z) of the data storage means (C).

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15. **(Currently Amended)** A data access and management system as recited in claim 1 wherein the **detected** prespecified parameters of data transmissions between the individual data storage means ~~(C)~~ and the computer unit ~~(CL)~~ comprise **at least one of** the duration of the transmission, ~~and/or~~ the fault rate, ~~and/or~~ **and** the duration of data processing operations of the individual data storage means ~~(C)~~ prior to the transmission of the data.

16. **(Currently Amended)** A data access and management system as recited in claim 1 wherein the data transmission means ~~(N)~~ comprise **at least one of** electrically conductive connections, ~~and/or~~ bus systems, ~~and/or~~ computer networks, ~~and/or~~ wired ~~or wireless~~ ~~(mobile)~~ telephone networks, **wireless telephone networks,** ~~and/or~~ **and** the Internet.

17. **(ORIGINAL)** A data access and management system as recited in claim 1 for use with a database system or a computer structure which manages data by means of the data access and management system.

18. **(ORIGINAL)** A data access and management system as recited in claim 1 for use in a system for a computer game which is provided via the Internet.

19. **(Currently Amended)** A data access and management system as recited in claim 18 wherein at least one computer unit ~~(CL)~~ is an Internet service provider.

20. **(Currently Amended)** A data access and management system as recited in claim 18 wherein the computer game is an interactive computer game to be used by at least two users ~~(B)~~.

21. **(Currently Amended)** A data access and management system as recited in claim 20 wherein each user ~~(B)~~ is connected with one computer unit ~~(CL)~~ each.

22. **(Currently Amended)** A data access and management system as recited in claim 20 wherein the computer units ~~(CL)~~ transmit data for the execution of the computer game to the respective users ~~(B)~~.

23. **(Currently Amended)** A data access and management system as recited in claim 22 wherein the users ~~(B)~~ process the received data for executing the computer game and transmit ~~it~~ **said processed received data** back to the corresponding computer units ~~(CL)~~.

24. **(Currently Amended)** A data access and management system as recited in claim 18 wherein additional means are provided for ~~the detection of~~ **detecting** prespecified parameters of the data transmission between the computer units ~~(CL)~~ and the respectively connected users ~~(B)~~.

25. **(Currently Amended)** A data access and management system as recited in claim 24 wherein the **detected** prespecified parameters of data transmissions between the computer units ~~(CL)~~ and the respectively connected users ~~(B)~~ comprise **at least one of** the duration of the transmission, ~~and/or~~ the fault rate, ~~and/or~~ the duration of data processing operations of the individual computer units**, and** ~~(CL) and/or~~ the individual users ~~(B)~~ prior to the transmission of the data.

26. **(Currently Amended)** A data access and management system as recited in claim 24 wherein the data for executing the computer game is ~~also~~ stored in a redundant manner as a function of the ~~determined~~ **detected** prespecified parameters of the data transmission between the computer units ~~(CL)~~ and the respectively connected users ~~(B)~~.

27. **(Currently Amended)** A data access and management system as recited in claim 18 wherein the computer units ~~(CL)~~ receive control for the execution of the computer game from the respective users ~~(B)~~.

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28. **(Currently Amended)** A data access and management system as recited in claim 27 wherein the computer units ~~(CL)~~ output the control data or equivalent data to the data storage means ~~(C)~~.

29. **(Currently Amended)** A data access and management system as recited in claim 27 wherein the computer units ~~(CL)~~ process data for executing the computer game depending on **at least one of** the control data, ~~and/or~~ **and** the data storage means ~~(C)~~ process data for executing the computer game, depending on the control data or on data equivalent to the control data.

30. **(Currently Amended)** A method for data access and data management for a computer system, comprising:

a. storing data in at least two data storage means ~~(C)~~;

b. accessing the stored data by at least one computer unit ~~(CL)~~ via data transmission means ~~(N)~~, with prespecified parameters of the data transmission between the data storage means ~~(C)~~ and the computer unit ~~(CL)~~ being determined, the data being stored in a redundant manner in at least two of the at least two data storage means ~~(C)~~ as a function of the determined **prespecified** parameters of the data transmission, the access to the data being effected as a function of the determined **prespecified** parameters of the data transmission**;**

c. detecting prespecified parameters for data transmissions between the data storage means**;** ~~(C),~~ and

d. shifting redundantly stored data independent of an access of the computer unit ~~(CL)~~ to the data as a function of the determined **prespecified** parameters of data transmissions between the data storage means.

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31. **(Currently Amended)** A method for data access and data management as recited in claim 30 wherein the data access and the data management are controlled by the data storage means ~~(C)~~.

32. **(Currently Amended)** A method for data access and data management as recited in claim 30 further including the steps of copying redundantly stored data among each other by the data storage means as a function of the determined **prespecified** parameters of data transmissions between the individual data storage means ~~(C)~~ and the computer unit and deleting in the data storage means in which the copied data had been previously stored.

33. **(Currently Amended)** A method for data access and data management as recited in claim 30 further including the step of processing the data by the data storage means ~~(C)~~ independently of the computer unit ~~(CL)~~.

34. **(Currently Amended)** A method for data access and data management as recited in claim 30 further including the step of dividing the data into data subsets ~~(F)~~, with the data subsets ~~(F)~~ to be stored in a redundant manner being stored in cells ~~(Z)~~ of the individual data storage means ~~(C)~~.

35. **(Currently Amended)** A method for data access and data management as recited in claim 30 wherein the division into data subsets ~~(F)~~ and the storage in the cells ~~(Z)~~ are carried out as a function of the data transmission parameters.

36. **(Currently Amended)** A method for data access and data management as recited in claim 30 wherein additional data for data access and data management is stored in the cells ~~(Z)~~, which relate to **at least one of** the parameters of data transmissions between the

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individual data storage means, ~~(C) and~~ the computer unit ~~(CL)~~, ~~and/or~~ neighbouring cells ~~(Z)~~, ~~and/or~~ **and** cells ~~(Z)~~ which comprise the data redundantly stored in the system.

37. **(Currently Amended)** A method for data access and data management as recited in claim 34 wherein additional data for data access and data management are exchanged between the cells ~~(Z)~~ of the data storage means ~~(C)~~.

38. **(Currently Amended)** A method for data access and data management as recited in claim 30 wherein the access to data of cells ~~(Z)~~ of a data storage means ~~(C)~~ has identical data transmission parameters.

39. **(Currently Amended)** A method for data access and data management as recited in claim 30 wherein data is **at least one of** output by the computer unit ~~(CL)~~ for storage in the data storage means ~~(C) and/or~~ **and** the data stored in the data storage means ~~(C)~~ is processed by the computer unit ~~(CL)~~.

40. **(Currently Amended)** A method for data access and data management as recited in claim 30 wherein **the user at least one of receives** data ~~is~~ transmitted by the computer unit ~~(CL) to a user (B) and/or~~ **and controls** the computer unit ~~(CL) is controlled by the user (B)~~.

41. **(ORIGINAL)** A method for data access and data management as recited in claim 30 wherein the method provides Internet services.

42. **(Currently Amended)** A method for data access and data management as recited in claim 34 wherein the access is made directly to the data of individual cells ~~(Z)~~ of the data storage means ~~(C)~~.

43. **(Currently Amended)** A method for data access and data management as recited in claim 30 wherein the determination of the prespecified parameters of data transmissions

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between the individual data storage means ~~(C)~~ and the computer unit ~~(CL)~~ comprises **at least one of** the determination of the duration of the transmission, ~~and/or~~ the fault rate, ~~and/or~~ **and** the duration of data processing operations of the individual data storage means ~~(C)~~ prior to the transmission of the data.

44. **(ORIGINAL)** A method for data access and data management as recited in claim 30 for use with a database system or a computer structure which manages data by means of said method for data access and data management.

45. **(ORIGINAL)** A method for data access and data management as recited in claim 30 for use with a computer game which is provided via the Internet and in accordance with said method for data access and data management.

46. **(Currently Amended)** A method for data access and data management as recited in claim 30 wherein the access to data in the data storage means ~~(C)~~ comprises the employment of an Internet service provider which operates as a computer unit ~~(CL)~~.

47. **(Currently Amended)** A method for data access and data management as recited in claim 45 wherein at least two users ~~(B)~~ access the computer game, the computer game being an interactive computer game.

48. **(Currently Amended)** A method for data access and data management as recited in claim 47 wherein the data for executing the computer game is transmitted from the computer units ~~(CL)~~ to the respective users ~~(B)~~.

49. **(Currently Amended)** A method for data access and data management as recited in claim 48 wherein the data received by the users ~~(B)~~ are processed by the users ~~(B)~~ and transmitted back to the corresponding computer units ~~(CL)~~.

50. **(Currently Amended)** A method for data access and data management as recited in claim 45 **further comprising the step of determining** ~~wherein~~ prespecified parameters of the data transmission between the computer units ~~(CL)~~ and the respected users ~~(B)~~ connected therewith ~~are determined~~.

51. **(Currently Amended)** A method for data access and data management as recited in claim 50 wherein the determination of the prespecified parameters of data transmissions between the computer units ~~(CL)~~ and the respective users ~~(B)~~ connected therewith comprises **at least one of** the determination of the duration of the transmission, ~~and/or~~ the fault rate, ~~and/or~~ the duration of data processing operations of the individual computer units, ~~(CL) and/or~~ **and** the individual users ~~(B)~~ prior to the transmission of the data.

52. **(Currently Amended)** A method for data access and data management as recited in claim 50 wherein the redundant storage of the data for the execution of the computer game is ~~also be~~ carried out as a function of the determined prespecified parameters of the data transmission between the computer units ~~(CL)~~ and the respective users ~~(B)~~ connected therewith.

53. **(Currently Amended)** A method for data access and data management as recited in claim 45 wherein control data for the execution of the computer game is additionally transmitted by the users ~~(B)~~ to the corresponding computer units ~~(CL). Preferably, the~~ ~~control data or equivalent data from the computer units are also transmitted to the data~~ ~~storage means~~.

54. **(Currently Amended)** A method for data access and data management as recited in claim 53 wherein the control data or equivalent data is transmitted from the computer units ~~(CL)~~ to the data storage means ~~(C)~~.

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55. **(Currently Amended)** A method for data access and data management as recited in claim 53 wherein the data for executing the computer game is processed by **at least one of** the computer units ~~(CL)~~ as a function of the control data ~~and/or the data for executing the computer game is processed by~~ **and** the data storage means ~~(C)~~ as a function of the control data or of data equivalent to the control data.

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